=> d his

(FILE 'USPAT' ENTERED AT 08:44:34 ON 16 MAY 96)
L1 930 S QUALITY ASSURANCE
L2 3 S L1 AND ULTRASO? SCANNER#

=> s l1 and (test? or calibrat? or evaluat?)
460574 TEST?
78962 CALIBRAT?
149630 EVALUAT?
L3 716 L1 AND (TEST? OR CALIBRAT? OR EVALUAT?)

=> s l3 and scanner#
26987 SCANNER#
L4 51 L3 AND SCANNER#

=> s l4 and imag?
260637 IMAG?
L5 40 L4 AND IMAG?

=> s l5 and medical
64994 MEDICAL
38 MEDICALS
65013 MEDICAL
(MEDICAL OR MEDICALS)
L6 18 L5 AND MEDICAL

=> d 1-18

1. 5,513,101, Apr. 30, 1996, Radiological **image** interpretation apparatus and method; Howard Pinsky, et al., 364/401; 395/924 [IMAGE AVAILABLE]

2. 5,493,593, Feb. 20, 1996, Tilted detector microscopy in computerized tomography; Martin Muller, et al., 378/19, 4 [IMAGE AVAILABLE]

3. 5,484,584, Jan. 16, 1996, Therapeutic and diagnostic use of modified polymeric microcapsules; Sidney Wallace, et al., 424/1.29; 264/4.3, 4.33; 424/9.4, 9.45, 491, 497, 499, 501; 427/213.31; 428/402.21 [IMAGE AVAILABLE]

4. 5,469,353, Nov. 21, 1995, Radiological **image** interpretation apparatus and method; Howard Pinsky, et al., 364/413.01, 401, 419.19 [IMAGE AVAILABLE]

5. 5,404,293, Apr. 4, 1995, Cone beam reconstruction using helical data collection paths; Yi Weng, et al., 364/413.19, 413.16; 382/131 [IMAGE AVAILABLE]

6. 5,391,139, Feb. 21, 1995, Real time radiation treatment planning system; Gregory K. Edmundson, 600/7; 364/413.26; 600/3 [IMAGE AVAILABLE]

7. 5,369,261, Nov. 29, 1994, Multi-color information encoding system; Harry Shamir, 235/469, 468 [IMAGE AVAILABLE]

8. 5,345,315, Sep. 6, 1994, Method and system for improved tone and color reproduction of electronic **image** on hard copy using a closed loop control; Hanoch Shalit, 358/406; 347/3; 358/300, 455, 504, 521, 527 [IMAGE AVAILABLE]

9. 5,170,439, Dec. 8, 1992, Cone beam reconstruction using combined circle and line orbits; Gengsheng L. Zeng, et al., 382/131; 364/413.16, 413.2; 378/901; 382/280 [IMAGE AVAILABLE]

10. 5,165,410, Nov. 24, 1992, Position indicating system for a multidiagnostic **scanner**; James R. Warne, et al., 128/653.1, 659; 378/50, 55, 162, 206 [IMAGE AVAILABLE]

11. 5,164,978, Nov. 17, 1992, **Test** body and element for a scanning **image** reconstructing apparatus; David J. Goodenough, et al., 378/207; 250/252.1; 378/204 [IMAGE AVAILABLE]

12. 5,115,229, May 19, 1992, Method and system in video **image** reproduction; Hanoch Shalit, 345/1; 324/404; 345/11, 207 [IMAGE AVAILABLE]

13. 5,054,310, Oct. 8, 1991, **Test** object and method of measurement of an ultrasonic beam; John J. Flynn, 73/1DV [IMAGE AVAILABLE]

14. 4,974,461, Dec. 4, 1990, Anthropomorphic cardiac ultrasound phantom; Stephen W. Smith, et al., 73/865.6, 1DV; 434/268 [IMAGE AVAILABLE]

15. 4,939,581, Jul. 3, 1990, Method and system in video **image** hard copy reproduction; Hanoch Shalit, 358/350; 348/254, 333; 358/332 [IMAGE AVAILABLE]

16. 4,903,523, Feb. 27, 1990, **Test** object and method of characterization of an ultrasonic beam and its side lobes; John J. Flynn, 73/1DV, 1R; 128/660.01 [IMAGE AVAILABLE]

17. 4,894,013, Jan. 16, 1990, Anthropomorphic cardiac ultrasound phantom; Stephen W. Smith, et al., 434/268; 73/866.4 [IMAGE AVAILABLE]

18. 4,873,633, Oct. 10, 1989, User controlled off-center light absorbance reading adjuster in a liquid handling and reaction system; Mezei, Louis M., et al., 364/413.08; 356/39, 442; 422/73 [IMAGE AVAILABLE]

=> d ab 1

US PAT NO: 5,513,101 [IMAGE AVAILABLE] L6: 1 of 18

ABSTRACT:
A Radiology Healthcare Network provides high quality, timely **medical** interpretations of radiological **images** on a national (e.g., across the U.S.) and regional basis. The **images** can include **images** created by conventional x-ray technology, computed radiography, magnetic resonance **imaging** (MRI), computed tomography (CT), ultrasound **imaging**, nuclear medicine, and mammography equipment. The invention includes the acquisition of these **images** from health care facilities,

the conversion of these **images** to digital format, the routing of these converted **images**, the interpretation of these routed **images**, and the routing of the interpretations back to the originating facility. The **images** are routed-(e.g., on a variety of high-speed digital and analog telecommunication networks) to the appropriate interpretation resource by an administrative site on the Network based on one or more requirements associated with the radiological study. The interpretation can be performed on high-resolution workstations and/or on films produced by film printers. The invention can include quality control measures which assure high **image** and interpretation quality. The control and tracking of **images** by the administrative site results in the production of a complete, signed interpretive report in a timely manner.

=> d ab 11, 13, 16

US PAT NO: 5,164,978 [IMAGE AVAILABLE] L6: 11 of 18

ABSTRACT:
The subject invention provides a means for **testing** the operating characteristics of an **image** reconstructing apparatus, the means including a high resolution gauge for determining the resolution of the apparatus and including a bead which is adapted for **testing** the modulation transfer function of the apparatus. A method of producing the high resolution gauge is also provided.

US PAT NO: 5,054,310 [IMAGE AVAILABLE] L6: 13 of 18

ABSTRACT:
A **test** object for use in determining the accuracy of and to **calibrate** ultrasonic scanning equipment is disclosed. The **test** object provides for the determination of elevational resolution. Additionally, the **test** object provides for the determination of the existence, location, intensity and width of side lobes, both substantially in the direction of the scanning plane and in substantially the direction normal to the scanning plane.

US PAT NO: 4,903,523 [IMAGE AVAILABLE] L6: 16 of 18

ABSTRACT:
A **test** object for use in determining the accuracy of and to **calibrate** ultrasonic scanning equipment is disclosed. The **test** object provides for the determination of elevational resolution. Additionally, the **test** object provides for the determination of the existence, location, intensity and width of side lobes, both substantially in the direction of the scanning plane and in substantially the direction normal to the scanning plane.

=> d his

(FILE 'USPAT' ENTERED AT 08:44:34 ON 16 MAY 96)
L1 930 S QUALITY ASSURANCE
L2 3 S L1 AND ULTRASO? SCANNER#
L3 716 S L1 AND (TEST? OR CALIBRAT? OR EVALUAT?)
L4 51 S L3 AND SCANNER#

L5 40 S L4 AND IMAG?
L6 18 S L5 AND MEDICAL

=> s l6 and ?processor?
130157 ?PROCESSOR?
L7 9 L6 AND ?PROCESSOR?

=> d 1-9

1. 5,391,139, Feb. 21, 1995, Real time radiation treatment planning system; Gregory K. Edmundson, 600/7; 364/413.26; 600/3 [IMAGE AVAILABLE]

2. 5,369,261, Nov. 29, 1994, Multi-color information encoding system; Harry Shamir, 235/469, 468 [IMAGE AVAILABLE]

3. 5,345,315, Sep. 6, 1994, Method and system for improved tone and color reproduction of electronic **image** on hard copy using a closed loop control; Hanoch Shalit, 358/406; 347/3; 358/300, 455, 504, 521, 527 [IMAGE AVAILABLE]

4. 5,165,410, Nov. 24, 1992, Position indicating system for a multidiagnostic **scanner**; James R. Warne, et al., 128/653.1, 659; 378/50, 55, 162, 206 [IMAGE AVAILABLE]

5. 5,115,229, May 19, 1992, Method and system in video **image** reproduction; Hanoch Shalit, 345/1; 324/404; 345/11, 207 [IMAGE AVAILABLE]

6. 4,974,461, Dec. 4, 1990, Anthropomorphic cardiac ultrasound phantom; Stephen W. Smith, et al., 73/865.6, 1DV; 434/268 [IMAGE AVAILABLE]

7. 4,939,581, Jul. 3, 1990, Method and system in video **image** hard copy reproduction; Hanoch Shalit, 358/350; 348/254, 333; 358/332 [IMAGE AVAILABLE]

8. 4,894,013, Jan. 16, 1990, Anthropomorphic cardiac ultrasound phantom; Stephen W. Smith, et al., 434/268; 73/866.4 [IMAGE AVAILABLE]

9. 4,873,633, Oct. 10, 1989, User controlled off-center light absorbance reading adjuster in a liquid handling and reaction system; Mezei, Louis M., et al., 364/413.08; 356/39, 442; 422/73 [IMAGE AVAILABLE]

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SEARCHED BY KAREN STEIN

=> s (ultra sound or ultrasound)(w)scan? and image? and (store? or memor?)
36208 ULTRA
76220 SOUND
514 ULTRA SOUND
(ULTRA(W)SOUND)
6725 ULTRASOUND
149422 SCAN?
357 (ULTRA SOUND OR ULTRASOUND)(W)SCAN?
225741 IMAGE?
396424 STORE?
185986 MEMOR?
L1 201 (ULTRA SOUND OR ULTRASOUND)(W)SCAN? AND IMAGE? AND (STORE? OR
MEMOR?)

=> s l1 and (evaluat? or test? or calibrat?)
149630 EVALUAT?
460574 TEST?
78962 CALIBRAT?
L2 103 L1 AND (EVALUAT? OR TEST? OR CALIBRAT?)

=> s l2 and phantom(5a)test?
90017 PHANTOM
460574 TEST?
292 PHANTOM(5A)TEST?
L3 0 L2 AND PHANTOM(5A)TEST?

=> s l2 and phantom
90017 PHANTOM
L4 17 L2 AND PHANTOM

=> dis cit 1-17

1. 5,508,733, Apr. 16, 1996, Method and apparatus for selectively receiving and storing a plurality of video signals; L. Samuel A. Kassatly, 348/13, 7, 8, 10, 12, 385, 426; 455/5.1 [IMAGE AVAILABLE]

2. 5,505,204, Apr. 9, 1996, Ultrasonic blood volume flow rate meter; Paul A. Picot, et al., 128/661.1 [IMAGE AVAILABLE]

3. 5,474,075, Dec. 12, 1995, Brush-tipped catheter for ultrasound imaging; Barry B. Goldberg, et al., 128/662.06, 756 [IMAGE AVAILABLE]

4. 5,456,901, Oct. 10, 1995, Liposomes as contrast agents for ultrasonic imaging; Evan C. Unger, 424/9.51; 128/662.02; 424/450 [IMAGE AVAILABLE]

5. 5,420,176, May 30, 1995, Contrast media for ultrasonic imaging; Evan C. Unger, et al., 523/205; 106/203; 523/200, 212, 213; 524/35, 501 [IMAGE AVAILABLE]

6. 5,352,435, Oct. 4, 1994, Ionophore containing liposomes for ultrasound imaging; Evan C. Unger, 424/9.51; 128/662.02; 424/450 [IMAGE AVAILABLE]

7. 5,334,381, Aug. 2, 1994, Liposomes as contrast agents for ultrasonic imaging and methods for preparing the same; Evan C. Unger, 424/9.51; 128/654; 264/4.1, 4.3; 424/450; 428/402 [IMAGE AVAILABLE]

8. 5,230,882, Jul. 27, 1993, Liposomes as contrast agents for ultrasonic imaging and methods for preparing the same; Evan C. Unger, 424/9.51; 128/662.02; 424/450; 514/150, 546 [IMAGE AVAILABLE]

9. 5,123,414, Jun. 23, 1992, Liposomes as contrast agents for ultrasonic imaging and methods for preparing the same; Evan C. Unger, 128/654; 264/4.1, 4.3; 424/9.51, 450 [IMAGE AVAILABLE]

10. 5,108,429, Apr. 28, 1992, Micromotor actuated adjustable focus lens; Robert G. Wiley, 623/6 [IMAGE AVAILABLE]

11. 5,088,499, Feb. 18, 1992, Liposomes as contrast agents for ultrasonic imaging and methods for preparing the same; Evan C. Unger, 424/9.51, 44, 450; 436/829 [IMAGE AVAILABLE]

12. 4,866,998, Sep. 19, 1989, Medical examination table with probe holder; Gwendolyn J. Stewart, et al., 73/866.5; 5/600, 621 [IMAGE AVAILABLE]

13. 4,852,577, Aug. 1, 1989, High speed adaptive ultrasonic phased array imaging system; Stephen W. Smith, et al., 128/660.07; 73/625 [IMAGE AVAILABLE]

14. 4,694,404, Sep. 15, 1987, High-speed **image** generation of complex solid objects using octree encoding; Donald J. R. Meagher, 395/121, 123, 124, 127 [IMAGE AVAILABLE]

15. 4,658,827, Apr. 21, 1987, **Ultrasound** **scanner** for tissue characterization; Ping He, et al., 128/660.06; 73/599, 631 [IMAGE AVAILABLE]

16. 4,644,510, Feb. 17, 1987, Ultrasonic measurement method, and apparatus therefor; Tadashi Fujii, 367/87; 73/599, 602 [IMAGE AVAILABLE]

17. 4,567,896, Feb. 4, 1986, Method and apparatus for **calibrating** a biopsy attachment for ultrasonic imaging apparatus; Daniel Barnea, et al., 128/660.07; 73/1R; 128/662.05 [IMAGE AVAILABLE]